

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070820\
 Data File : VW015812.D
 Acq On : 08 Jul 2020 16:22
 Operator : SY/VA
 Sample : L3203-01
 Misc : 7.31G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-24

Quant Time: Jul 09 04:41:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	166226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	287997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	260541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116715	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	104153	60.85	ug/l	0.00
Spiked Amount			Recovery	=	121.70%	
35) Dibromofluoromethane	7.88	113	90634	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
50) Toluene-d8	10.33	98	353254	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
62) 4-Bromofluorobenzene	12.62	95	118707	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	

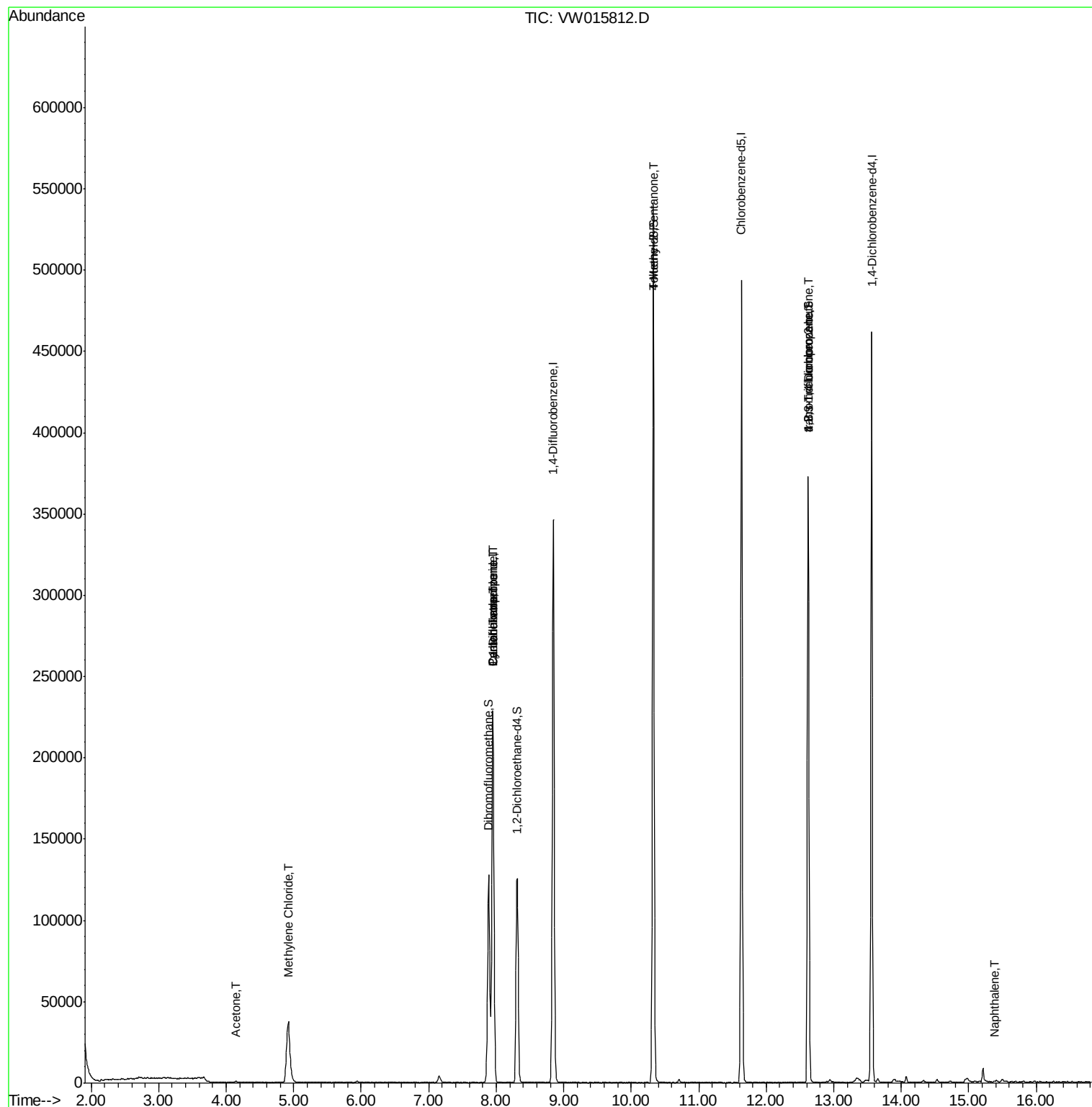
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	19	Below Cal	#	71
16) Acetone	4.14	43	1438	4.490	ug/l	97
20) Methylene Chloride	4.92	84	32128	16.471	ug/l	95
31) Cyclohexane	7.95	56	4032	1.361	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14245	5.018	ug/l #	51
38) Carbon Tetrachloride	7.95	117	16760	6.101	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	1836	1.747	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	63052	61.468	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	63052	132.737	ug/l #	7
95) Naphthalene	15.37	128	385	2.907	ug/l #	69

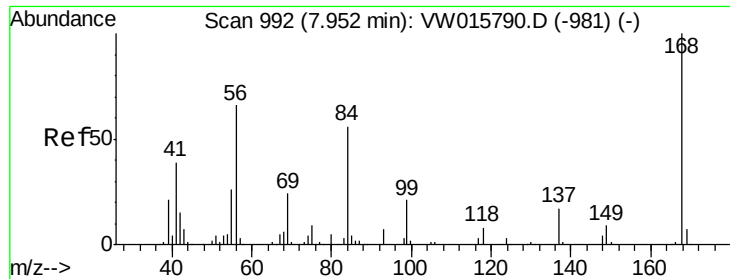
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015812.D

Acq: 08 Jul 2020 16:22

Instrument :

MSVOA_W

ClientSampled :

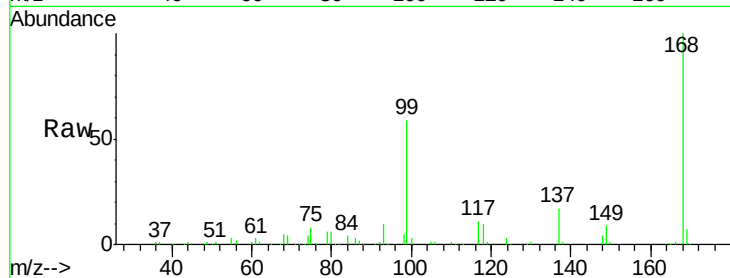
RO-24

Tot Ion:168 Resp: 166226

Ion Ratio Lower Upper

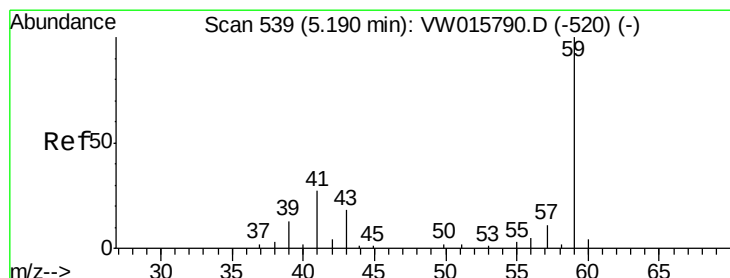
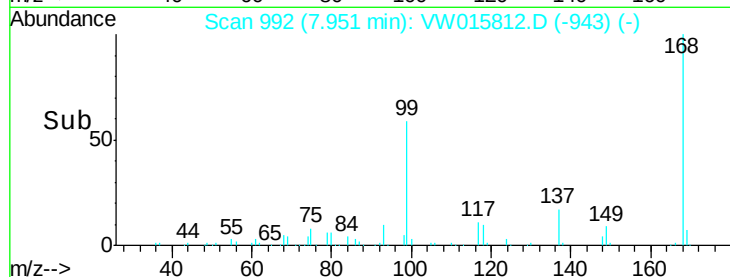
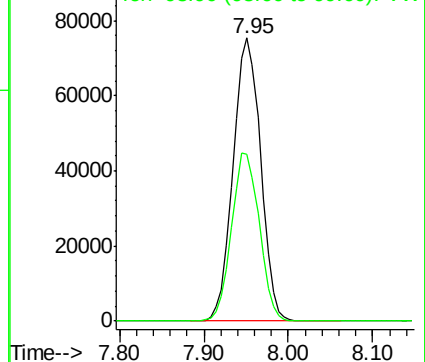
168 100

99 59.1 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.01 min

Lab File: VW015812.D

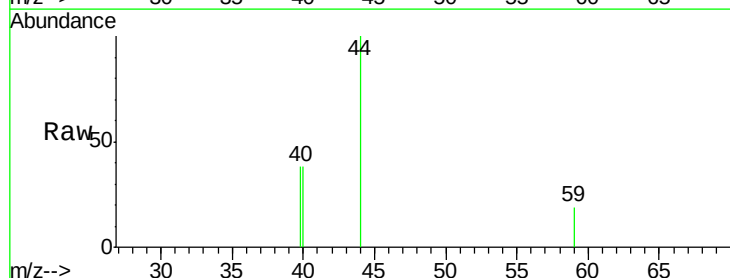
Acq: 08 Jul 2020 16:22

Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

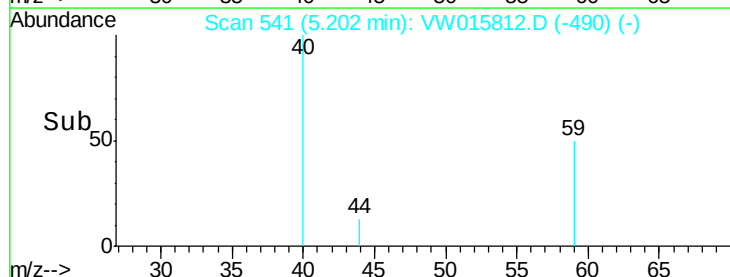
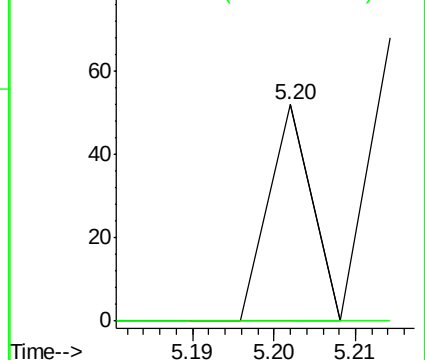
59 100

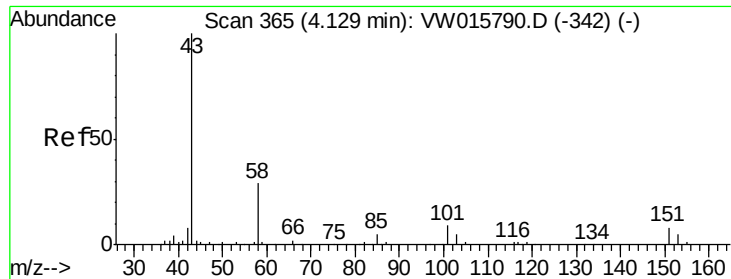
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.490 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW015812.D

Acq: 08 Jul 2020 16:22

Instrument :

MSVOA_W

ClientSampleId :

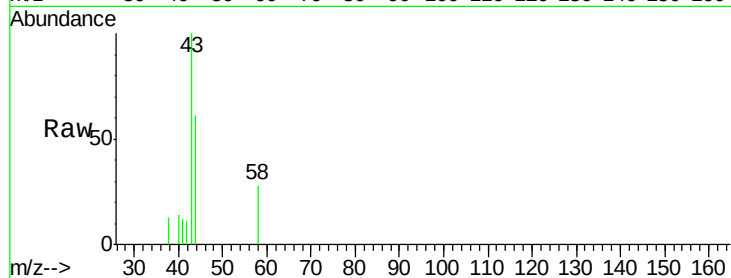
RO-24

Tot Ion: 43 Resp: 1438

Ion Ratio Lower Upper

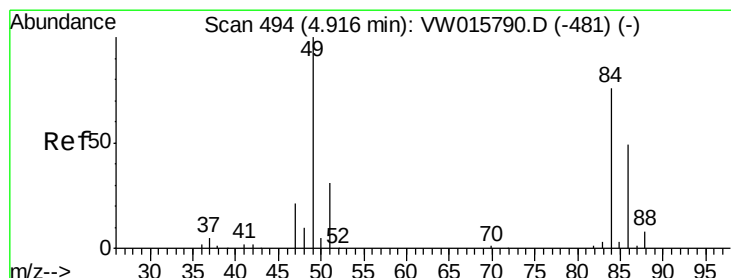
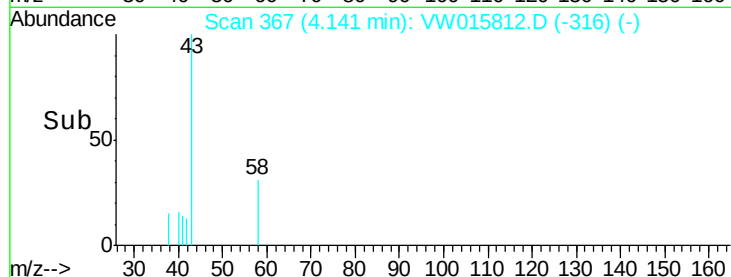
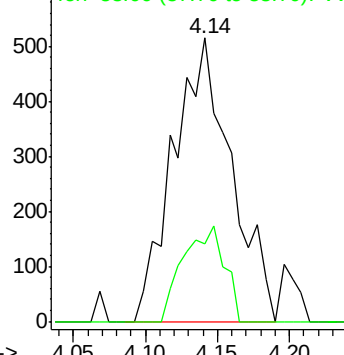
43 100

58 27.6 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 16.471 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015812.D

Acq: 08 Jul 2020 16:22

Tgt Ion: 84 Resp: 32128

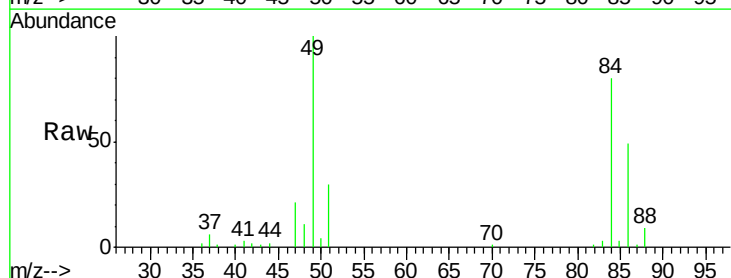
Ion Ratio Lower Upper

84 100

49 125.0 105.0 157.6

51 37.6 32.3 48.5

86 60.9 51.2 76.8

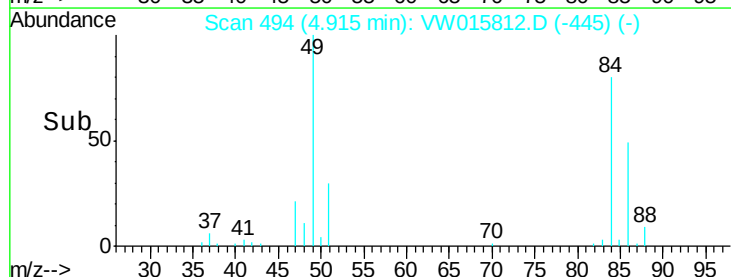
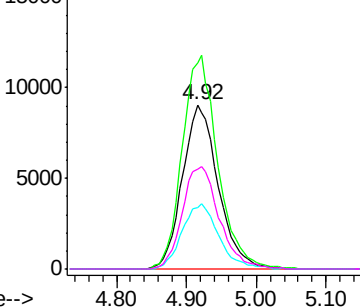


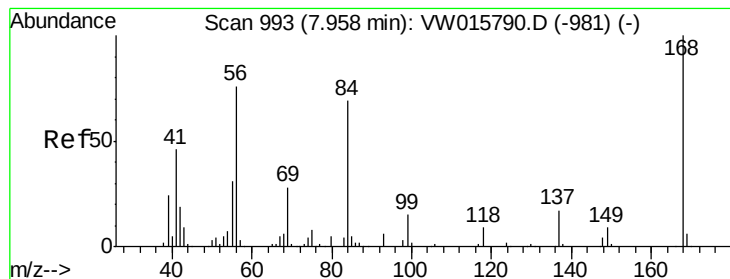
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#31

Cyclohexane

Concen: 1.361 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015812.D

Acq: 08 Jul 2020 16:22

Instrument :

MSVOA_W

ClientSampleId :

RO-24

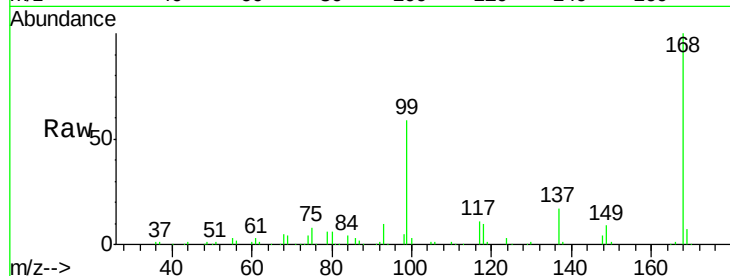
Tot Ion: 56 Resp: 4032

Ion Ratio Lower Upper

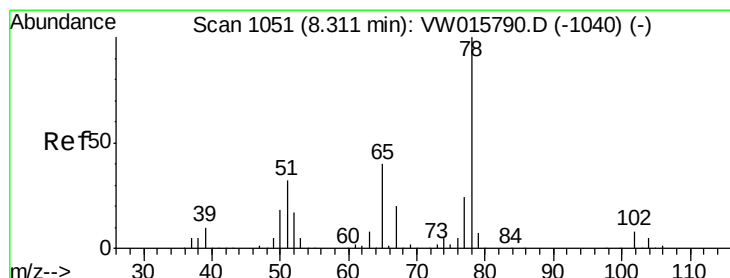
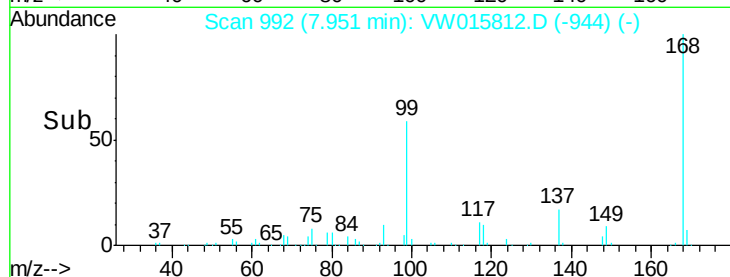
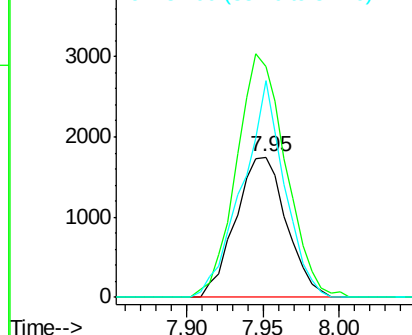
56 100

69 164.6 28.9 43.3#

84 154.0 72.2 108.4#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 60.847 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW015812.D

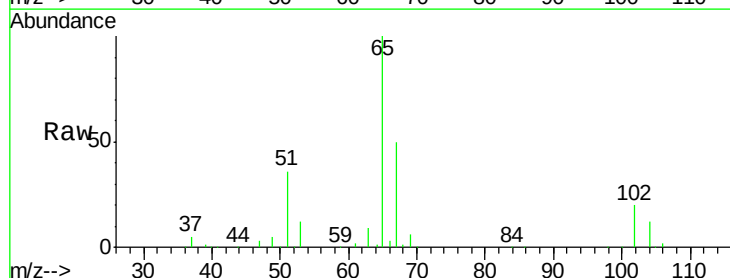
Acq: 08 Jul 2020 16:22

Tgt Ion: 65 Resp: 104153

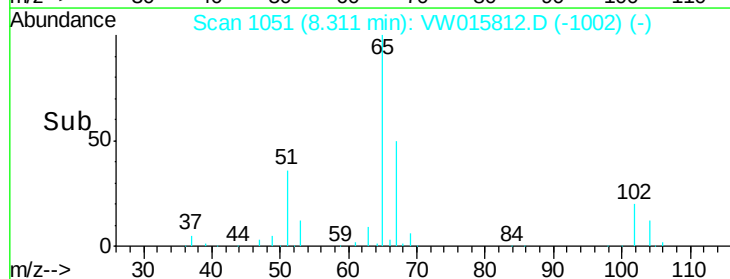
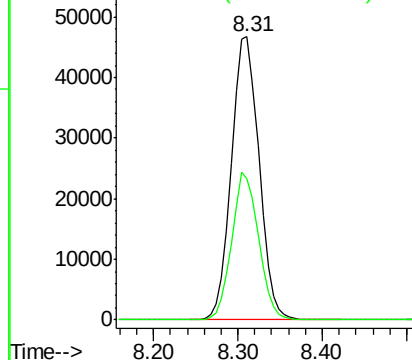
Ion Ratio Lower Upper

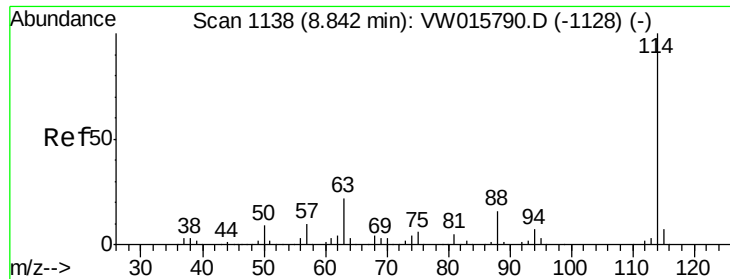
65 100

67 50.5 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

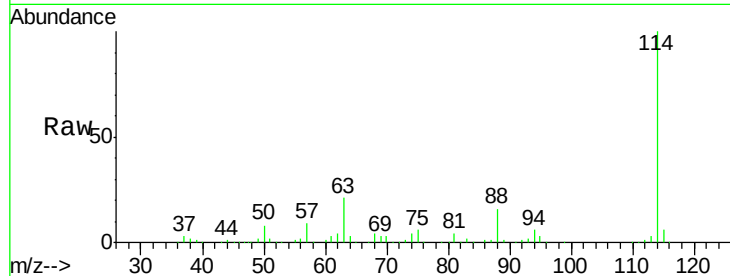




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW015812.D
 Acq: 08 Jul 2020 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-24

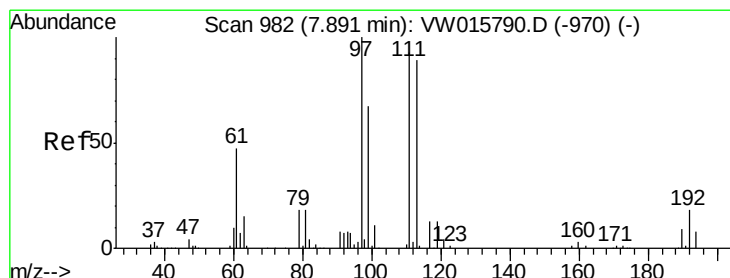
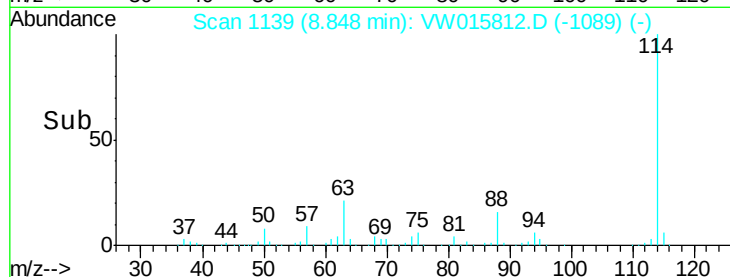
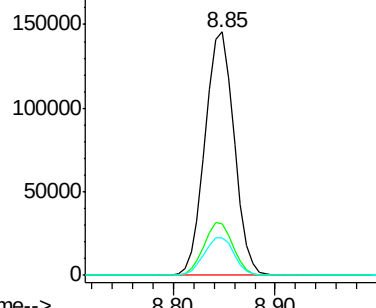
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.4
88	15.6	0.0	32.6



Abundance Ion 113.90 (113.60 to 114.60): V

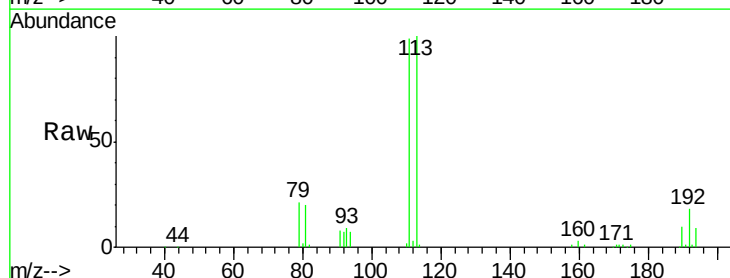
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 53.942 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW015812.D
 Acq: 08 Jul 2020 16:22

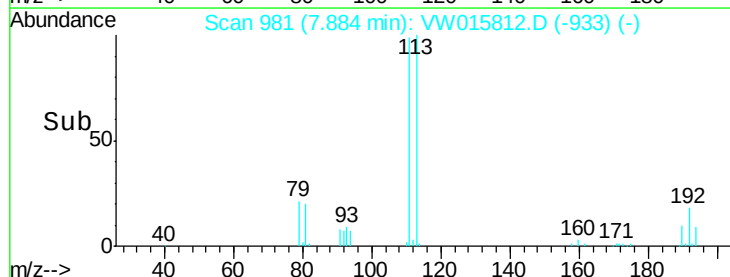
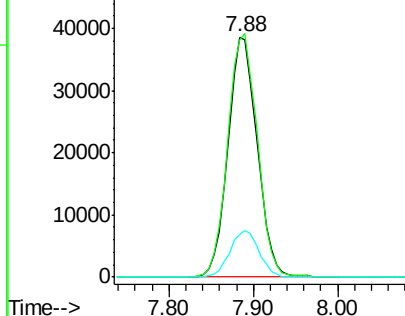
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.8	124.2
192	19.2	15.4	23.2

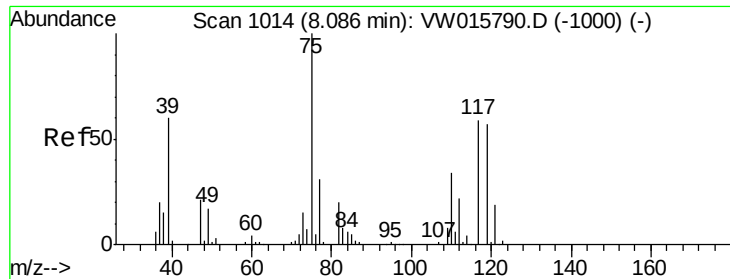


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

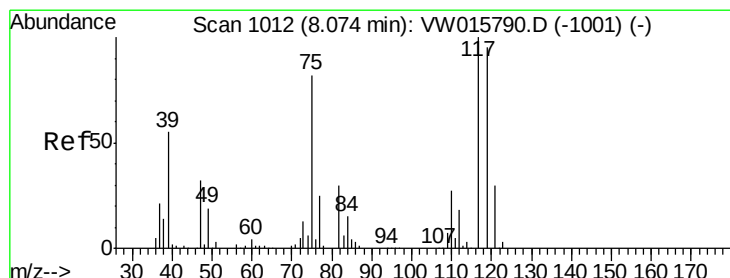
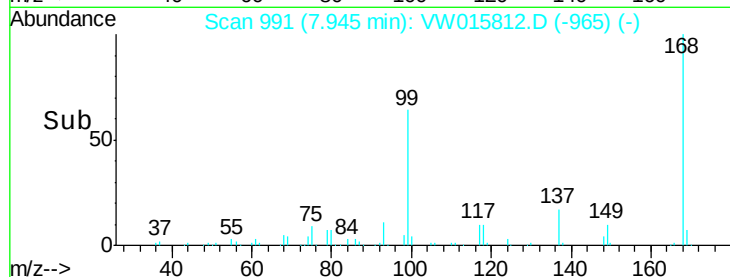
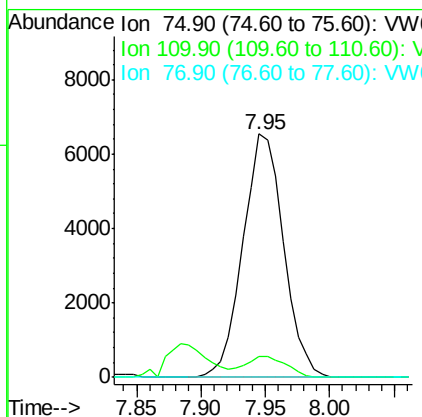
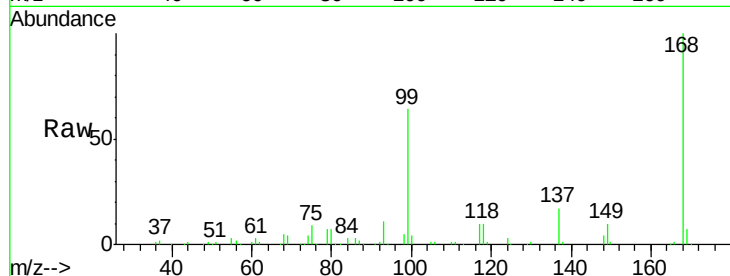




#36
 1,1-Dichloropropene
 Concen: 5.018 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW015812.D
 Acq: 08 Jul 2020 16:22

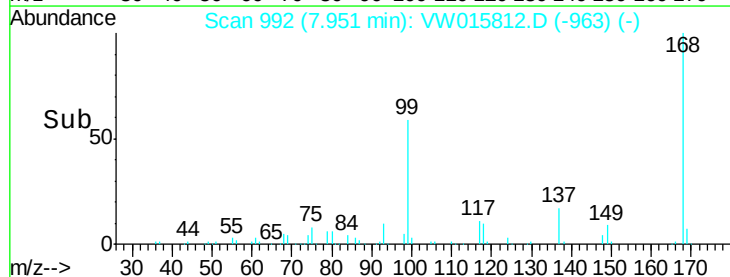
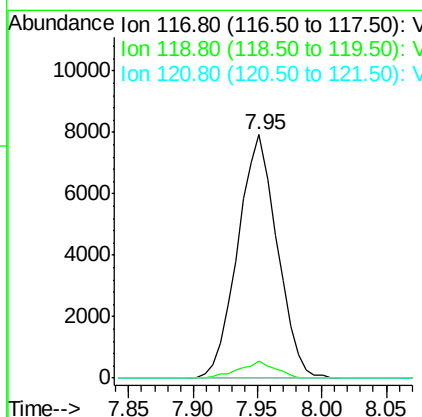
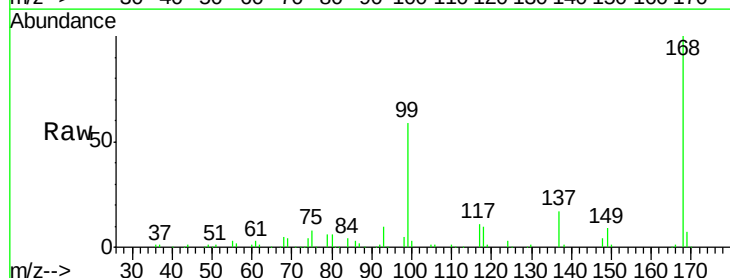
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-24

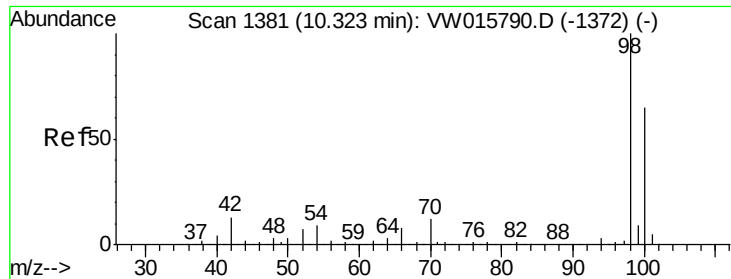
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.8	50.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.101 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015812.D
 Acq: 08 Jul 2020 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	76.3	114.5#
121	0.0	24.0	36.0#

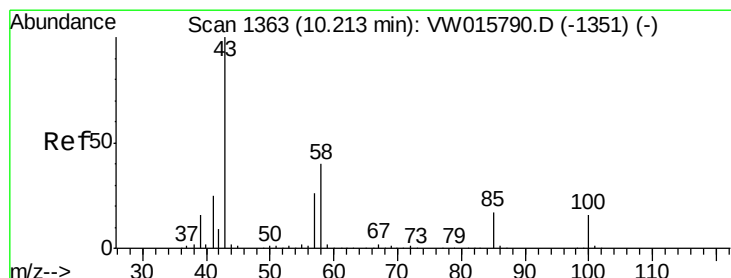
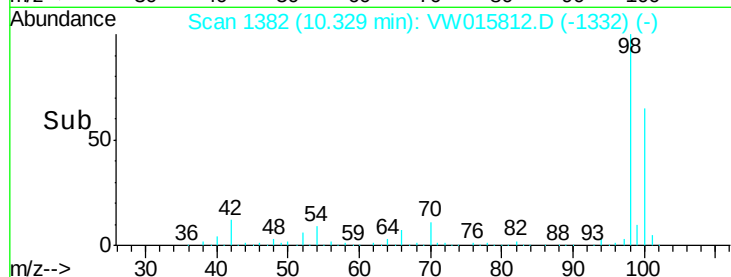
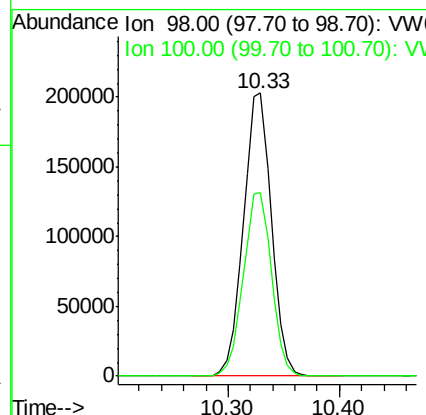
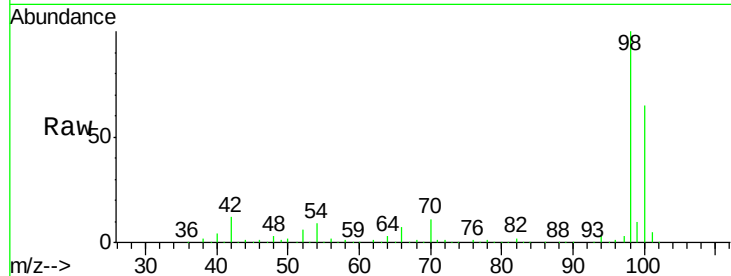




#50
Toluene-d8
Concen: 54.734 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW015812.D
Acq: 08 Jul 2020 16:22

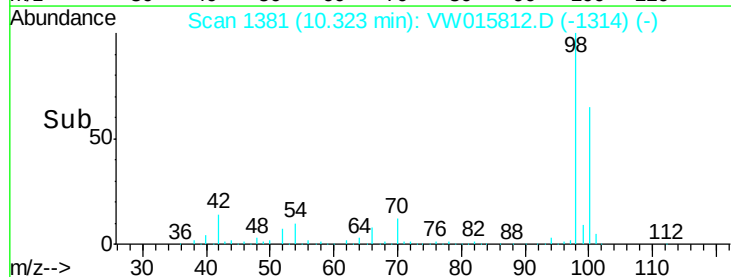
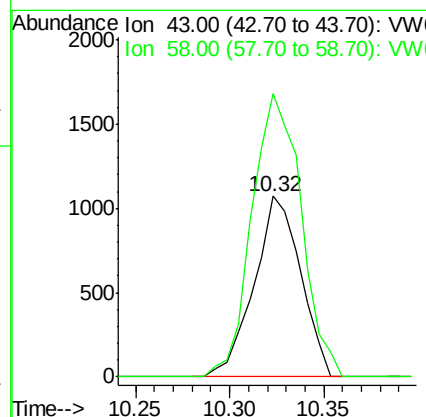
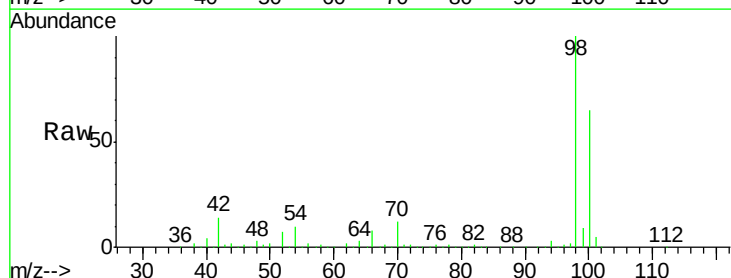
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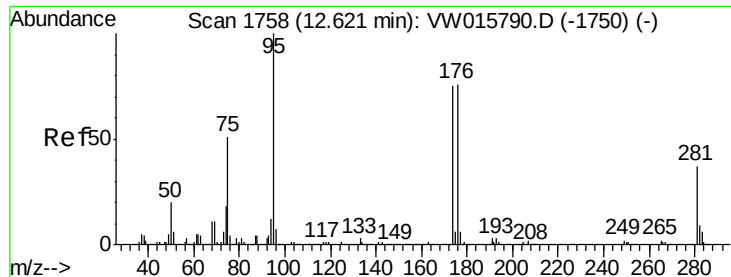
Tot Ion: 98 Resp: 353254
Ion Ratio Lower Upper
98 100
100 65.6 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 1.747 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.11 min
Lab File: VW015812.D
Acq: 08 Jul 2020 16:22

Tgt Ion: 43 Resp: 1836
Ion Ratio Lower Upper
43 100
58 165.2 30.9 46.3#

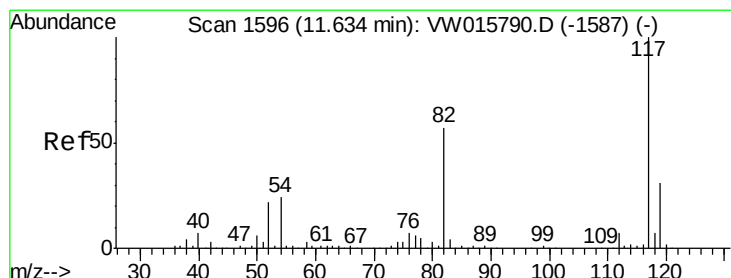
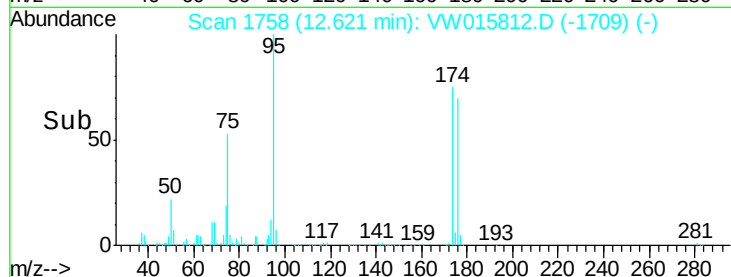
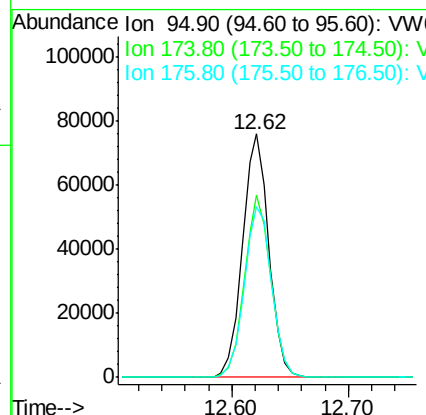
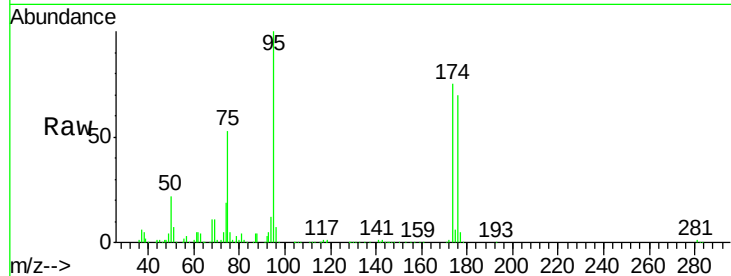




#62
4-Bromofluorobenzene
Concen: 50.124 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW015812.D
Acq: 08 Jul 2020 16:22

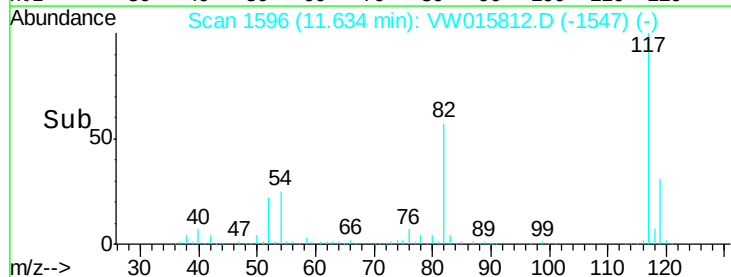
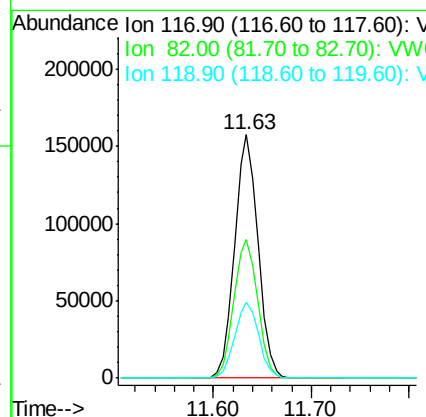
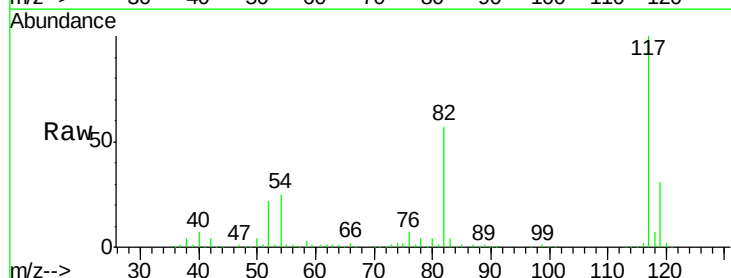
Instrument :
MSVOA_W
ClientSampled :
RO-24

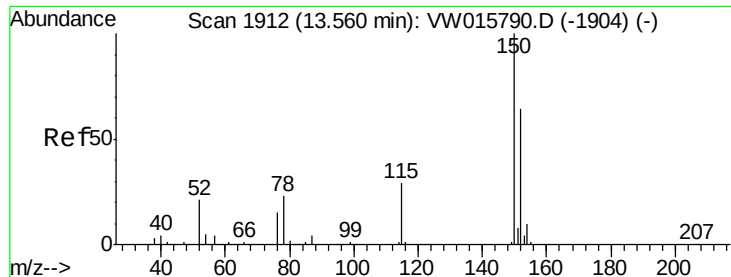
Tot Ion: 95 Resp: 118707
Ion Ratio Lower Upper
95 100
174 75.0 0.0 150.2
176 73.0 0.0 148.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015812.D
Acq: 08 Jul 2020 16:22

Tgt Ion: 117 Resp: 260541
Ion Ratio Lower Upper
117 100
82 56.8 45.5 68.3
119 31.4 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015812.D

Acq: 08 Jul 2020 16:22

Instrument :

MSVOA_W

ClientSampleId :

RO-24

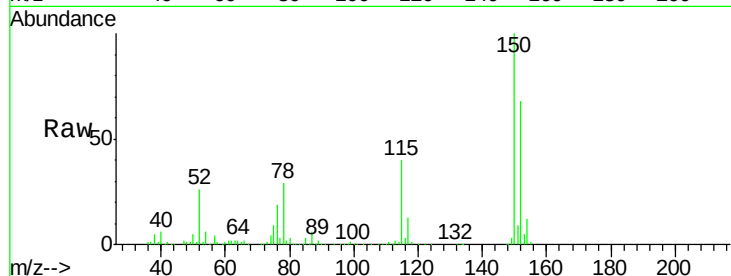
Tot Ion:152 Resp: 116715

Ion Ratio Lower Upper

152 100

115 59.6 29.9 89.7

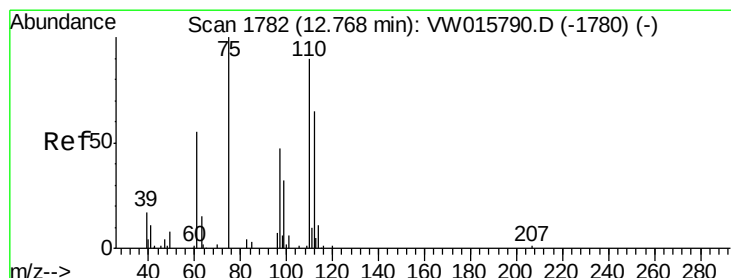
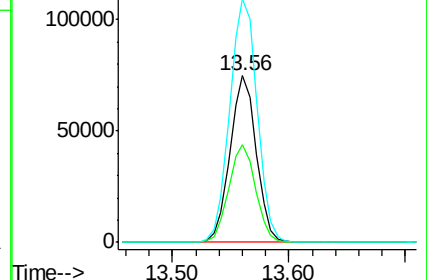
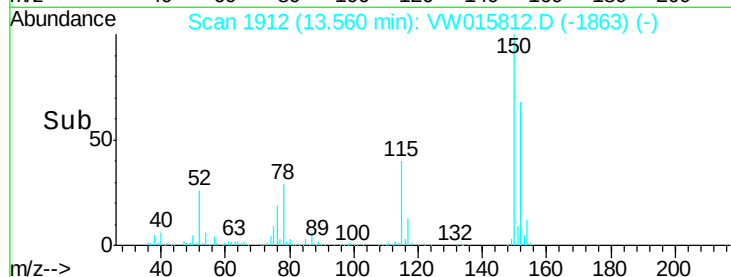
150 153.0 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 61.468 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015812.D

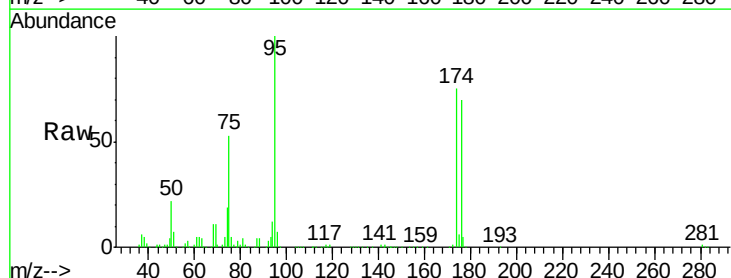
Acq: 08 Jul 2020 16:22

Tgt Ion: 75 Resp: 63052

Ion Ratio Lower Upper

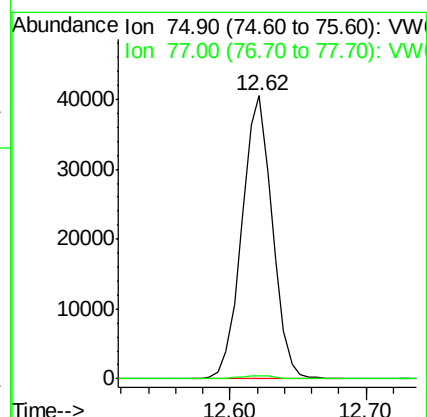
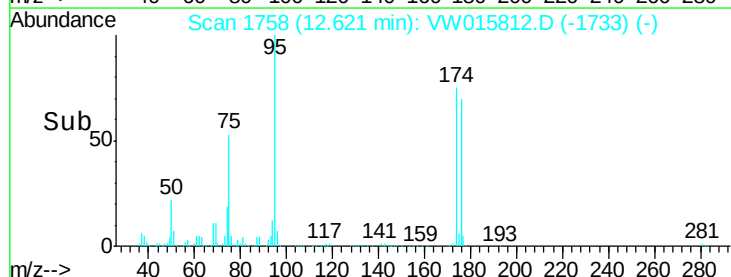
75 100

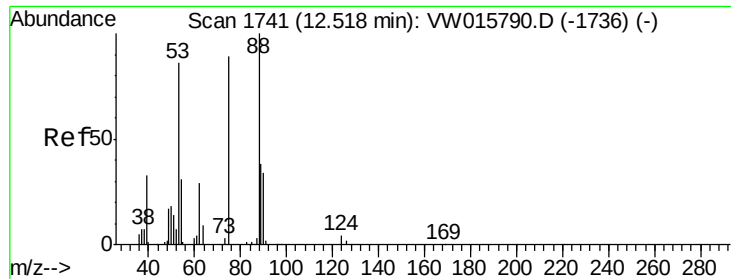
77 1.2 177.3 532.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

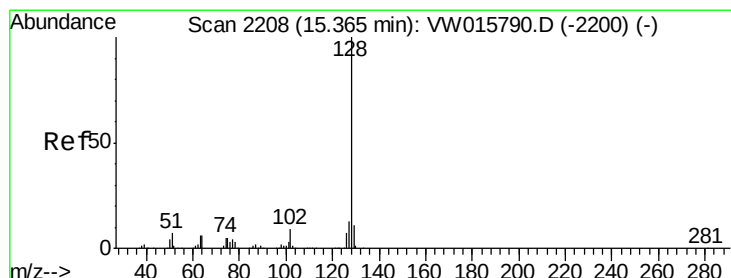
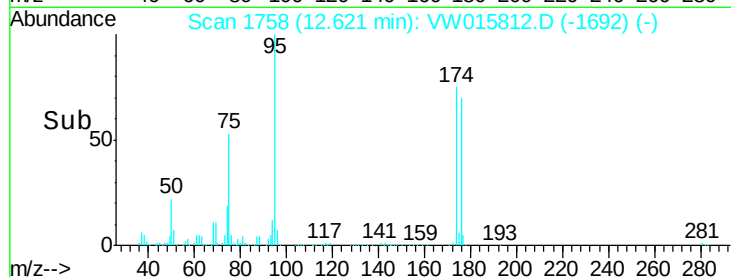
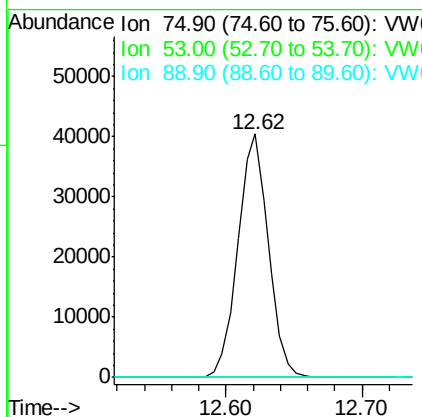
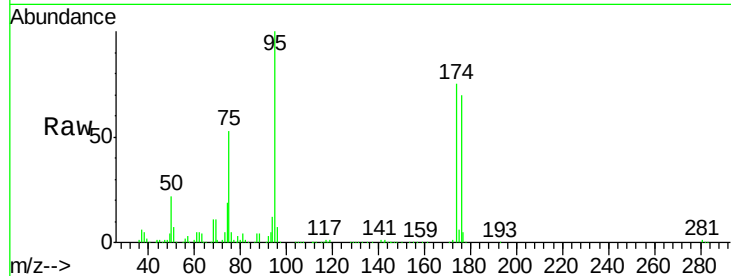




#81
trans-1,4-Dichloro-2-butene
Concen: 132.737 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW015812.D
Acq: 08 Jul 2020 16:22

Instrument :
MSVOA_W
ClientSampled :
RO-24

Tot Ion: 75 Resp: 63052
Ion Ratio Lower Upper
75 100
53 0.1 85.9 128.9#
89 0.0 36.2 54.4#



#95
Naphthalene
Concen: 2.907 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015812.D
Acq: 08 Jul 2020 16:22

Tgt Ion: 128 Resp: 385
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

